

# Integral performance criterion of self-propagating high-temperature synthesis ferrosilid for optimization of charge composition

Kharisov L., Safronov N., Safronov G.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

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## Abstract

© 2017 Trans Tech Publications, Switzerland. An algorithm of optimization of the charge for metal-containing waste processing of metallurgical and foundry industries was developed. The processing method is based on the phenomenon of self-propagating high-temperature synthesis (SHS) of ferroalloys of the composition of dispersed waste without the use of external sources of heat due to internal energy.

<http://dx.doi.org/10.4028/www.scientific.net/SSP.265.657>

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## Keywords

Alloy cast iron, Charge, Corrosion, Integral performance criterion, Optimization, Self-propagating high-temperature synthesis, Silicon, Waste

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